Obtaining location information using Symbian Web Runtime

This code snippet demonstrates how to use the Location Service API of the Web Runtime to discover the location (latitude and longitude) of the device.

Source: script.js

```
var serviceObj = null;

window.onload = init;

// Initializes the widget
function init() {
    // Obtain the Location service object
    try {
        serviceObj = device.getServiceObject("Service.Location", "ILocation");
    } catch (ex) {
        alert("Service object cannot be found.");
        return;
    }

    // We are interested in basic location information (longitude, latitude
    // and altitude) only, so let's define the criteria respectively
    var criteria = new Object();
    criteria.LocationInformationClass = "BasicLocationInformation";

    // Obtain the location information (synchronous)
    var result = serviceObj.ILocation.GetLocation(criteria);
    var latitude = result.ReturnValue.Latitude;
    var longitude = result.ReturnValue.Longitude;

    // Display the location
    alert("Lat. " + latitude + ", Long. " + longitude);
}
```

Note: `GetLocation()` is a synchronous function, so it may block your widget for a while.

Postconditions

The current location (latitude and longitude) of the device is displayed.

Supplementary material

- You can test the location obtaining features in action in a simple, executable application into which this code snippet has been patched. The application is available for download at: Media:WRTStub CS001161.zip
- You can examine all the changes that are required to implement the above mentioned features in an application. The changes are provided in unified diff and color-coded diff formats: Media:CS001161 Obtaining location information.diff.zip
- For general information on applying the patch, see Using Diffs.
- For unpatched stub applications, see Example app stubs with logging framework.

See also

- Web Developer's Library: JavaScript Location Service API

(C) Copyright Nokia 2014. All rights reserved.

(C) Copyright Nokia 2014. All rights reserved.